

C-RAF mRNA EXPRESSION IN BENDU CELLS
DOSE RESPONSE WITH MOE (2'-5' LINKED) 11061 ANALOGS

■ 400nm
 ■ 200nm
 ■ 100nm

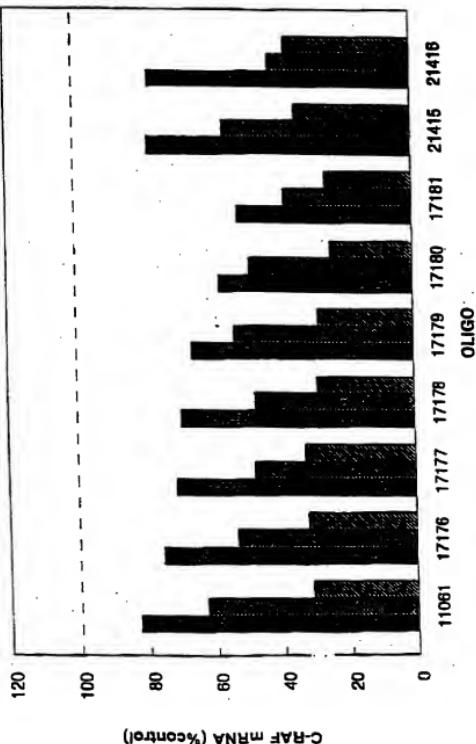


Figure 7

Document No.: ISIS-4789 Appn. No.: Not yet assigned Date: Oligonucleotide Geometry
 Client Name: Harring A-DNA Form and B-DNA Form
 Inventor(s): Manoharan, et al
 Attorney: Emma R. Dabley Phone No.: 215-568-3100 Sheet 7 of 9

		Positive control, P=S	Scrambled control, P=S
ISIS 2503		TCGGTCA T CAGCTCCCTCAGGG	TCGGTCA T AGGCCAACATGG
ISIS 13177		TTAGTA A AGGCCAACATGG	TTGGTCA A TCGCTCCCTCAGGG
ISIS 14896		TCGGTCA T ATCGCTCCCTCAGGG	TCGGTCA T ATCGCTCCCTCAGGG
ISIS 14898		TCGGTCA T ATCGCTCCCTCAGGG	TCGGTCA T ATCGCTCCCTCAGGG
ISIS 14890		TCGGTCA T ATCGCTCCCTCAGGG	TCGGTCA T ATCGCTCCCTCAGGG
ISIS 14897		TCGGTCA T ATCGCTCCCTCAGGG	TCGGTCA T ATCGCTCCCTCAGGG
ISIS 14899		TCGGTCA T ATCGCTCCCTCAGGG	TCGGTCA T ATCGCTCCCTCAGGG

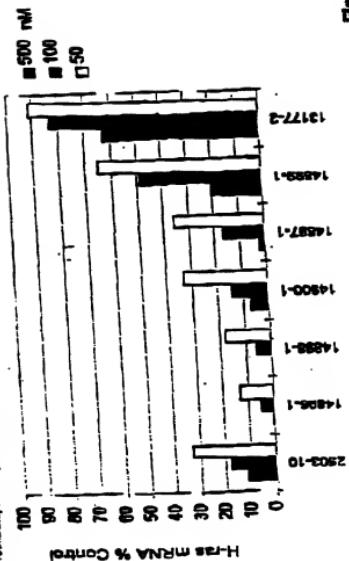
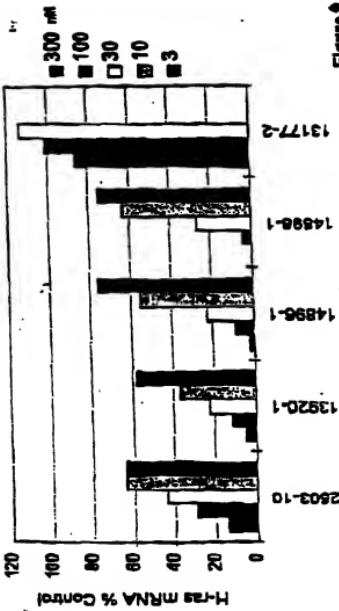


Figure 4d.

Booker No.: SIS-489 Appn. No.: Not yet assigned Title: Oligonucleotide Hämgs A-DNA Form and B-DNA Form Complementary Geometry Inventor(s): Mankham et al Attorney: Elmira P. Dallyer Phone No.: 215-568-3100 Sheet 8 of 9

Figure 9



P=S triphosphate; MOE = mutagenic order effect
 ISIS 2503 TCCGTCACTGGTCCCTAGGG P=S
 ISIS 13177 TTAGTAATAGCCCCACATGG Scrambled control, P=S
 ISIS 13920 TCCGTCACTGGTCCCTAGGG MOE, P=S
 ISIS 14896 TCCGTCACTGGTCCCTAGGG MMI (1+1), P=S
 ISIS 14898 TCCGTCACTGGTCCCTAGGG MMI (2+2), P=S

Detector No.: ISIS-4789 Appn. No.: Not yet assigned
 Title: Oligonucleotides Having A-DNA Form and B-DNA Form
 Concentration: Geometric
 Invenomedics: Mandelbaum, et al
 Attorney: Emma R. Dally Phone No.: 215-568-3100 Sheet 9 of 9